

# **HORRY SOIL AND WATER CONSERVATION DISTRICT**

## **2007 ANNUAL REPORT**

### **OUR CONSERVATION PARTNERS**

#### **COMMISSIONERS**

Matt Johnson-Chairman  
Warren Dixon-Vice Chairman  
Ben W. Hardee-Secretary/Treasurer  
Glenn Winburn-Commissioner  
Shane Willoughby-Commissioner  
Wilbur James- Associate Commissioner  
Hoyt Hardee-Commissioner Emeritus

#### **DISTRICT CHAPLAIN**

Rev. Henry Altman

#### **DISTRICT MANAGER**

Nina E. Warren

In Partnership with

#### **NATURAL RESOURCES CONSERVATION SERVICE**

Harvey Campbell  
Samuel L. Johnson, Jr.

#### **S.C. DEPT. OF NATURAL RESOURCES LAND, WATER AND CONSERVATION DIVISION**

Sam Ward

Horry Soil & Water  
Conservation District  
1949 Industrial Park Road  
Room 125  
Conway SC 29526  
Phone: (843) 365-7923  
Fax: (843) 365-6650  
email:nina.warren@sc.nacdnet.net

### **ANNUAL REPORT**

2007



“2007 will be remembered for reminding those that make their living from the land how little control they actually have over making a crop”, said Chairman Matt Johnson. The late freeze in April devastated much of the early corn and tobacco crops. Those that could find seed and seedlings re-planted and then were hit with drought conditions when the rainfall stopped at the end of May. Rainfall during the remainder of the growing season was sporadic at best. Those in the construction industry had good weather to work, but the bottom fell out of the housing market. The Horry Conservation District strived through all these situations to continue to be the source for conservation and natural resource information for its customers.

#### **DISTRICT COMMISSIONERS**

A five member Board of Commissioners serves the people of the Horry Soil and Water Conservation District. Two members are appointed by the S.C. Department of Natural Resources based on the recommendation of the Horry Soil and Water Conservation District Board. The voters of Horry County elect the three other commissioners in the general election on a non-partisan basis. These five commissioners serve four-year terms and are not paid. The Horry Conservation District is also served by an Associate Commissioner, a Commissioner Emeritus and a District Chaplain.



#### **Horry Soil & Water Conservation District Board of Commissioners**

Front Row (L-R): Hoyt Hardee, Wilbur James and Ben Hardee and Back Row (L-R): Glenn Winburn, Matt Johnson, Warren Dixon, and Rev. Henry Altman



### ***FARMER OF THE YEAR***

Commissioner, Glenn Winburn, presented Elton Boyd with the 2007 "Farmer of the Year Award".



### ***EDUCATOR OF THE YEAR***

Commissioner Glenn Winburn presented Cathy Johnson with the "Educator of the Year Award"



### ***OUTSTANDING SERVICE AWARD***

Chairman, Matt Johnson presented Wilbur James with the "Outstanding Service" Award for his dedicated service to the citizens of Horry County.



### ***CONSERVATION SERVICE AWARD***

Wilbur James presented Coleman Worley with the 2007 "Conservation Service Award".



### ***CONSERVATION CITIZENSHIP AWARD***

Vice Chairman Warren Dixon presented W.G. Hucks, Jr. with the Conservation Citizenship Award.

## 2007 DISTRICT ESSAY WINNERS

Conservation Education Is A Vital Part Of The Horry Soil And Water Conservation District Board's Program. For Many Years, The Foundation Of The District's Education Program Has Been The Conservation Essay Contest. The Conservation Essay Contest Is Sponsored Each Year In Conjunction With The Horry County School District And The Horry County Stormwater Division. The Horry County Stormwater Division Funded The Cash And Savings Bond Awards Presented To Both The School And District Winners And Their Teachers As A Part Of Their Educational Outreach Program. During Their Research, Students Are Exposed To Many Facets Of Conservation. Over 2000 Students Participated In This Contest That Is Open To Grades 6 And 7.



**6th Grade District Winners**

L-R Jackie Taylor- Horry County Stormwater Dept.; Brittany Bell-3rd place- -Whittemore Park; 2nd place Brianna Pate-Conway Middle; and Commissioner Ben Hardee. Not pictured: 1st place Alexandra Goodman-M.B. Middle;



**7th grade District Winners**

L-R Jackie Taylor- Horry County Stormwater Dept.; 3rd place-Zachary Waldowski-St. James Middle; 2nd place-Madison Brooks-M.B. Middle; 1st place-Victoria Watts-Aynor Middle; and Commissioner Ben Hardee



**6th GRADE SCHOOL WINNERS**



**7th GRADE SCHOOL WINNERS**

## CAROLINA COASTAL ADVENTURE



The Carolina Coastal Adventure is a weekend-long workshop that teaches both freshwater and saltwater ecosystems to 9<sup>th</sup> and 10<sup>th</sup> grade students from all over the state. The students are housed at the Somerset Facility at Pinopolis which is owned by Santee Cooper. Activities include water studies, a Gullah story teller, a visit to a drinking water plant, a visit to the Santee Canal Park, a tour of the DNR Marine Center, and a sampling cruise on a DNR boat in the Charleston Harbor. The HSWCD sent 11 students from around the county to this workshop through the support of our affiliates.

Students that attended Carolina Coastal Adventure were: Seth Richardson, Nathan Winburn, Zachary Beaty, Bobby Chavis, Chamberlain Dial, Santana Leslie, Thomas Adams, Jake Davis, James Witt, Matthew Craine and Ariel Watson.

## ENVIROTHON 2007

2007 was the tenth year of competition for South Carolina in the National Envirothon Program. The Envirothon is a team competition sponsored by Conservation Districts across the nation. In the Envirothon, each high school can field a team with 3-5 members that compete with other teams on 4 standard topics of forestry, soils, water, and wildlife with a fifth topic being added each year on a current environmental issue. Participating schools have to be sponsored by a conservation district. This year the Horry Soil and Water Conservation District was represented by Aynor High School and Loris High School in the Envirothon competition.



L-R Commissioner-Ben Hardee; Aynor 2007 Envirothon team members :Josh Dennis; Jaime Edwards; and Advisor Stacey Bazen.  
Not Pictured: Casey Johnson, Alison Larrimore, and Blake Calhoun.



L-R Commissioner –Ben Hardee; Loris 2007 Envirothon team members were Jamin Floyd, Marcel Rossginal, Jamison Lewis and Adam Gore and Advisor Nate Bellamy

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## *2007 Legislative Dinner*

Each year the Horry Soil and Water Conservation District works in partnership with Clemson Extension, Farm Service Agency, Horry County Future Farmers of America Chapters, Natural Resources Conservation Service, Rural

Development, South Carolina Department of Natural Resources, and South Carolina Forestry Commission with sponsorship by the Horry-Conway and Horry-Loris Farm Bureaus to provide outreach to government officials showing them the active farming community is alive in Horry County and thanking them for their service to rural Horry.



# ***2007 AFFILIATE MEMBERS***

## **2007 PLATINUM MEMBERS**

C.L. BENTON & SONS, INC.  
HORRY COUNTY STORMWATER DEPT.

## **2007 GOLD MEMBERS**

BLACKWATER PARTNERHSIP LLC  
HOLLIDAY ASSOCIATES  
HORRY ELECTRIC COOPERATIVE  
JOHN C. HORTON  
BOBBY PAGE  
JOHNNY SHELLEY  
WAKE STONE CORPORATION

## **2007 SILVER MEMBERS**

ANDERSON BROTHERS BANK  
ASH CO. FARMS/GREG & REIDA HUGGINS  
BOBBY ANDERSON FARMS  
BLANTON SUPPLIES  
BRIGMAN COMPANY/ JOSEPH FLOYD  
CAROLINA TRUST FEDERAL CREDIT UNION  
CLARDY NURSERY  
CONWAY FEED & GARDEN  
CONWAY NATIONAL BANK  
CRESCENT LAND MGT./LARRY JOHNSON  
DURANT CHICKEN FARM  
JERRY & ALICE EDGE  
CARL ELLIOTT  
TERRY & CYNTHIA ELLIOTT  
B. KEMP FLOYD, JR.

## **2007 SILVER MEMBERS**

(Cont.)

GOLDFINCH FUNERAL SERVICES  
ELAINE GORE  
GRAHAM BROS FARM SUPPLY  
H.M. HARDWICK CONSTRUCTION  
HORRY COUNTY STATE BANK  
HORRY TELEPHONE COOPERATIVE  
WILBUR & ROSALEE JAMES  
WILBUR (NEIL) JAMES, JR.  
AMY & GEORGE JENKINS, JR.  
ALEX JOHNSON, JR.  
MATT JOHNSON/TWIN OAKS CONST.



BARRY & DREW MARTIN  
MYRTLE BEACH TRAVEL PARK  
OCEAN LAKES FAMILY CAMPGROUND  
PALMETTO CHEVROLET  
PALMETTO FUNERAL HOME  
PEPSI COLA BOTTLING CO. OF CONWAY  
ROGER & GAIL PORTER  
RAY REECE  
SANTEE COOPER  
JOHN R. SMITH, JR.  
SMURFIT STONE CONTAINER CORP.  
C.D. SPIVEY  
WILLOWBENDLLC/ROGER GRIGG

## **2007 BRONZE MEMBERS**

IRMA B. BARKER  
BATTLE L-P GAS COMPANY  
GLADYS BELLAMY  
JUDITH BUSH  
CHARLES DAWSEY  
DIXON FARMS  
DERRICK ELLIOTT  
B.D. & ALLENE HARDEE  
BEN & SYLVIA HARDEE  
HOYT & MARTHA HARDEE  
STEVE HARDWICK  
HRH CONSTRUCTION PRODUCTS INC.  
BILL HUSSEY, JR.  
SAMMY & SUSAN JOHNSON  
LAURIE'S IGA  
MARSHALL & SUSAN MCMILLAN-  
HENRY & MARY MCNEILL  
CLIFFORD MISHOE  
NATIONAL BANK OF SOUTH CAROLINA  
RABON'S  
CLIFTON'S ENV. CONSULTING, LLC  
ALVIE & KELLY STRICKLAND  
DAVID & WILLA STRICKLAND  
LOUISE DORSEY STRICKLAND  
THAD & KAYSON STRICKLAND  
SAM & AMY WARD  
BILLY & NINA WARREN  
GLENN WINBURN  
PAUL WINBURN  
RANDALL WINBURN  
RUSSELL WISE

The financial support of Affiliates Platinum, Gold, Silver and Bronze members helps make the conservation education programs of the HSWCD successful. Affiliate contributions insure that conservation education will be presented in a variety of ways. With Affiliate membership funds, the HSWCD is able to sponsor students to attend the South Carolina Institute for Natural Resources, the Carolina Coastal Adventure, sponsor teams to attend the State Envirothon competition, present monetary awards to students in the Essay Contests, supply soil stewardship materials to churches and promote natural resources in other educational programs.

# AYNOR PARK

## “Permeable Paving Demonstration”

The Town of Aynor worked with the Horry Conservation District through the Santee-Wateree Resource, Conservation, and Development Council to install a new parking area adjacent to the Town Park with pervious pavers and sub surface water storage. The new parking area was funded through grants and sponsorships from Town of Aynor, South Carolina Dept. of Health and Environmental Control, S.C. Department of Transportation, Horry County Transportation Committee, Santee-



Wateree Resource Conservation and Development Council, USDA-Natural Resources & Conservation Service, Pavestone, SouthScapes Enterprise LLC and National Oceanic Atmospheric Administration. The new parking area is a sterling example of a parking area that reduces storm water runoff and the pollution that accompanies storm water runoff while esthetically improving the Town Park. The benefits derived from the use of pervious pavers and other storm water management activities can help all that use them to greatly improve their water quality.

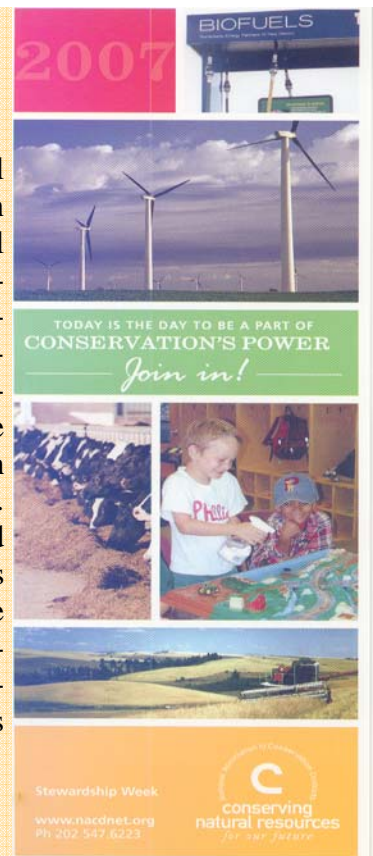
## DISTRICT EQUIPMENT AVAILABLE

1. Brillion Seeder – Handles two different sizes of seed at the same time and cultipacks 5 ft wide at \$50.00 per day. Rental handled by the HSWCD Office. Phone (843) 365-7923
2. Reddick Plastic Mulch/Drip Trickle Laying Machine 6 ft. rows at \$50.00 per acre or portion thereof. Rental handled through the HSWCD Office. Phone (843) 365-7923.



## SOIL STEWARDSHIP

Each year the Horry Soil and Water Conservation District participates in a Soil Stewardship Week observance sponsored by the National Association of Conservation Districts. The observance occurs from the last Sunday in April through the first Sunday in May. Literature is purchased and distributed to local churches emphasizing the importance of conservation and the responsibility of those in control of our natural resources to be good stewards.



### SERVICES TO LAND USERS

- ◆ Planning assistance to address natural resource needs.
- ◆ Layout and design assistance on ponds, drainage systems, water control structures, filter strips, erosion control, wildlife habitat, livestock management systems, wetland restoration, etc.
- ◆ Soil & water evaluations for individuals and units of government.
- ◆ In-house reproduction of aerial photographs.
- ◆ Management information for fishponds, wildlife management, pastureland, cropland, urban land and woodland.
- ◆ Provide information for proper land use based on soil capabilities.
- ◆ Member of Santee-Wateree RC&D Council.
- ◆ Develop cost-share and new flood prevention projects with local entities/groups.
- ◆ Assist landusers in wetland reforestation and mitigation.
- ◆ Provide rental equipment for wildlife and pasture planting, and plastic mulch.
- ◆ Design dry hydrants for rural fire protection.
- ◆ Store, and make available to the public, historic and current aerial photographs, NWI, Topo, and Flood-Zone maps.
- ◆ A national leader in holding and funding permanent conservation easements on 9 farms in Horry County since 2001.

### **NOTICE OF MEETING**

The Horry Soil and Water Conservation District meets on the third Thursday of each month in the District Office at 1949 Industrial Park Road, Room 125. These meetings begin at 6:30 a.m. and are open to the public. Any changes or special called meetings are always posted on the door of the District's office at least 24 hours in advance.

### ***INFORMATION AVAILABLE***

Aerial & Infrared Photos

Educational Information

Horry Soil Survey CD's

Soil Maps & Information

Topographic Maps



## **HORRY COUNTY RESOURCES**

**LAND AREA** 736,000 Acres  
**ELEVATION** Sea Level to 113 ft  
**NO. OF SOIL TYPES** 41  
**PRECIPITATION** 51 in/yr

### **LAND USE DISTRIBUTION**

62.7% Woodland 24.4% Cropland 4.2% Urban  
1.1% Pasture 7.6% Other

### **PRINCIPAL CROPS**

Tobacco, soybeans, corn, small grains, cotton, trees, vegetables, turf

### **LIVESTOCK**

Hogs, cows, goats, horses, and chickens

### **RIVERS & WATERWAYS**

Great Pee Dee River, Little Pee Dee River, Lumber River, Waccamaw River, and Intracoastal Waterway

**UNIQUE FEATURES** - Carolina Bays & 27 miles of beaches.



The Horry Soil and Water Conservation District, the South Carolina Department of Natural Resources, and the USDA Natural Resources Conservation Service sponsored two workshops entitled “Living with Bears” for the citizens of Horry County. One workshop was held at Carolina Forest High School and the other one was held at the Johnny M. Shelley Agricultural Facility.

With growing development in Horry County, “living with bears” is becoming a new way of life for many new developments especially in the areas of the county that have been converted to housing in the last five years. In 1990 the black bear population in SC was estimated to be only 20 and with 2006 estimates that the population has increased to 250. In Horry County alone there have been more than 40 black bears killed on roadways this year.

We are asked to protect areas that attract bears such as:

- 🐾 Garbage Cans
- 🐾 Bird Feeders
- 🐾 Pet Food & Pet Food Bowls
- 🐾 Squirrel and other wildlife feeders
- 🐾 Barbecue Grills and smokers
- 🐾 Pets and small livestock such as goats, rabbits, pigs, and chickens
- 🐾 Livestock feed
- 🐾 Compost piles
- 🐾 Beehives
- 🐾 Fruit and nut-bearing trees and shrubs.

Local DNR wildlife biologist, Deanne Ruth conducted the bear seminars to help educate landowners. If you are interested in learning more about “Living with Bears” please contact the HSWCD office.



The Horry Soil and Water Conservation District sponsored a fish pond management clinic in conjunction with the USDA-Natural Resources Conservation Service, the South Carolina Department of Natural Resources, and the Clemson Extension Service. Speakers on the program included Jack Whetstone and Ben Powell with the Clemson Extension Service and Elizabeth Osier and Sam Ward with the South Carolina Department of Natural Resources.

Those in attendance were exposed to a variety of topics including water quality, aquatic weed control, pond problems, stocking and harvesting, construction and maintenance, and tax credits. The ultimate goal of the clinic was to help make those in attendance better informed pond owners and managers. The meeting was well attended.

All Horry Soil & Water Conservation District, Natural Resources Conservation Service, and SC Department of Natural Resources Land, Water and Conservation Division programs and services are offered on a non-discriminatory basis, without regard to race, color, national origin, religion, sex, age, marital status, or handicap.

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### Horry Summary Conservation Practices for 2007.

Summary Conservation Practices	Planned	Applied
Access Road (ft)	380	1
Comprehensive Nutrient Management Plan (no)	1	
Conservation Cover (ac)	414	14
Conservation Crop Rotation (ac)	457	72
Cover Crop (ac)	328	38
Critical Area Planting (ac)	66	14
Deep Tillage (ac)		37
Dike (ft)	11,251	
Early Successional Habitat Development/ (ac)	5	5
Fence (ft)	23,140	12,167
Field Border (ft)	4,131	2,698
Firebreak (ft)	65,196	7,092
Forage Harvest Management (ac)	347	12
Forest Stand Improvement (ac)	424	100
Heavy Use Area Protection (ac)	1	0
Irrigation Water Management (ac)	21	
Land Clearing (ac)	1	5
Manure Transfer (no)	1	
Nutrient Management (ac)	12	25
Pasture and Hay Planting (ac)	394	320
Pest Management (ac)	179	14
Pipeline (ft)	5,685	1,765
Pond (no)	11	6
Prescribed Burning (ac)	158	
Prescribed Grazing (ac)	152	7
Pumping Plant (no)	1	
Residue Management, Seasonal (ac)		37
Riparian Forest Buffer (ac)	22	15
Riparian Herbaceous Cover (ac)		2
Sediment Basin (no)		1
Shallow Water Development & Management (ac)	2	
Silvopasture Establishment (ac)	28	22
Structure for Water Control (no)	2,251	
Subsurface Drain (ft)	400	400
Surface Drainage, Field Ditch (ft)	3,050	
Tree/Shrub Establishment (ac)	205	79
Tree/Shrub Site Preparation (ac)	183	
Upland Wildlife Habitat Management (ac)	310	65
Use Exclusion (ac)	166	9
Waste Utilization (ac)	12	
Water Well (no)	1	2
Watering Facility (no)	6	3
Wetland Creation (ac)	34	
Wetland Enhancement (ac)	2,048	
Wetland Restoration (ac)	48	
Wetland Wildlife Habitat Management (ac)	167	

### CONSERVATION INFORMATION – 457 People Assisted.

**CONSERVATION RESOURCE  
MANAGEMENT– 730 Acres of cropland  
& 360 Acres of grazing land with planned  
conservation systems.**

**RESOURCE INVENTORY &  
EVALUATIONS-  
Provided 180 landowners with inventory  
and resource material about  
resources problems.**

#### *Environmental Quality Incentives Program*

**The Environmental Quality Incentives Program (EQIP) promotes agricultural production and environmental quality.** Farmers may receive financial and technical assistance to install or implement structural and management practices on eligible agricultural land. EQIP is structured to address resource concerns for each county, based on the local work group's priorities.

**Sign-up** -Continuous sign-up; Cut-off for 2009 is October 1, 2008.

#### *Wetlands Reserve Program (WRP)*

**The Wetlands Reserve (WRP) Program enhances and restores wetlands.** A WRP easement/agreement typically allows the participant controlled access to the land as well as leasing rights for hunting, fishing, and other recreational activities. Uses of the land are allowed if they are compatible with the protection and enhancement of the wetland.

**Sign-up** -Continuous sign-up; Cut-off for 2010 has not been set.

#### *Wildlife Habitat Incentives Program (WHIP)*

**The Wildlife Habitat Incentives Program (WHIP) encourages creation and management of wildlife habitats.** Technical and financial assistance is provided to landowners to develop upland, wetland, riparian, and aquatic habitat areas on their property. Projects that provide valuable wildlife habitat and improve habitat conditions for declining species are very important. **Sign-up** -Continuous sign-up; Cut-off for 2009 is October 1, 2008.



**Purpose of the Horry Conservation District**

To establish conservation of our natural resources through promotion, education, demonstrations, planning and technical assistance in cooperation with all landusers.



Horry Soil & Water Conservation District  
1949 Industrial Park Road Room 125  
Conway SC 29526